

ABSTRACT

5 7 The present invention relates to a method/system
B2 for authenticating a media and/or data stored on the
media in order to prevent piracy and/or unauthorized
5 access and/or unauthorized copying of the data stored
on the media, including CDs and DVDs. According to the
present invention, a lookup table contains broken or
modified modulation rules comprising one or more
authentication keys or components thereof, that are
10 derived by the table's intentional breaking of standard
8-14 and 8-16 modulation rules. The authentication keys
are formed and remain hidden without being transferred
in the audio/video. Additionally, the lookup table is
employed using conventional hardware and/or software in
15 CD or DVD players, which may optionally be modified.
Each output value according to the present invention is
a function of the physical characteristics of a disc
that does not travel with the audio or video or
graphics data. Authentication systems of the present
20 invention optionally encompass singular, multiple or
multi-level authentication systems, each of which
successively must be deciphered before the audio/video
is finally available.